

**NOTICE OF APPLICATION
FOR
AIR QUALITY CONSTRUCTION PERMIT**

The South Dakota Department of Environment and Natural Resources (DENR) received and reviewed the application for an air quality construction permit for the following applicant:

APPLICANT NAME: **Otter Tail Power Company**

FACILITY LOCATION: **Big Stone City, South Dakota**

The air quality construction permit will allow the construction and operation of the following air pollution control processes and units associated with the federal Regional Haze Program:

- Unit #1** 1975 Babcock & Wilcox Company balanced draft, cyclone-fired steam boiler that is used to produce electricity and provide steam to an ethanol plant. The boiler is equipped with an over-fire air system and fired on subbituminous coal and alternative fuels and wastes. The boiler will be retrofitted with a selective catalytic reduction system and separated over-fire-air for nitrogen oxide control and a semi-dry or dry flue gas desulfurization system for sulfur dioxide control. Activated carbon injection will be installed for mercury control. The existing fabric filter for particulate matter control will be replaced with a new fabric filter.
- Unit #34** Lime storage silo. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined.
- Unit #35** Carbon storage silo. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined.
- Unit #36a** Waste FGD storage silo – Vent #1. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined.
- Unit #36b** Waste FGD storage silo – Vent #2. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined.
- Unit #37a** Recycle storage silo – Vent #1. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the semi-dry FGD system is selected.
- Unit #37b** Recycle storage silo – Vent #2. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the semi-dry FGD system is selected.
- Unit #38a** Hydrated lime storage silo – Vent #1. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the dry FGD system is selected.
- Unit #38b** Hydrated lime storage silo – Vent #2. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the dry FGD system is selected.
- Unit #39** Hydrator. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the dry FGD system is selected.

Unit #40 Hydrator buffer bin. Particulate emissions will be controlled using a pulse jet baghouse, manufacturer and model to be determined. This unit will only be installed if the dry FGD system is selected.

Otter Tail Power Company owns and operates a coal fired power plant near Big Stone City, South Dakota, that is subject to Best Available Retrofit Technology (BART) requirements under the federal Regional Haze Program. The construction permit allows installation of the air pollution control equipment associated with the Regional Haze Program requirements. A review of the application indicates Otter Tail Power Company can construct and operate the air pollution control equipment in compliance with South Dakota's Air Pollution Control rules and the federal Clean Air Act. DENR, therefore, recommends the Board of Minerals and Environment issue a construction permit to Otter Tail Power Company with conditions to ensure compliance with South Dakota Codified Laws (SDCL) 34A-1 and the federal Clean Air Act.

In accordance with the Administrative Rules of South Dakota (ARSD) 74:36:20:11, any person desiring to comment on DENR's draft permit conditions must submit written comments to the address below within thirty days of this public notice. Comments may be directed to the following mailing address: Marlys Heidt; PMB 2020; Department of Environment and Natural Resources; 523 East Capitol; Pierre, South Dakota 57501. DENR will consider and address all comments submitted and issue a final permit decision pursuant to ARSD 74:36:20:13. DENR will notify the applicant and each person that requested notice or submitted written comments of DENR's final permit decision, including notification of any changes to the permit based on the comments.

Any person desiring to contest the issuance of this permit and have a contested case hearing must file a petition, which complies with ARSD 74:09:01:01. This petition must be filed either within thirty days of this public notice or, if that person submits comments on DENR's draft permit pursuant to the paragraph above, within thirty days of receiving notice of DENR's final permit decision. Upon receipt of a petition, DENR will schedule this matter for a contested case hearing before the Board of Minerals and Environment.

If no comments or objections are received within thirty days of this public notice, the draft permit becomes the final permit decision and the permit will be issued.

Copies of DENR's draft permit conditions and other information may be obtained from Marlys Heidt, Engineer III, at the above address or telephone at (605) 773-3151 or from DENR's website at:

<http://denr.sd.gov/des/aq/aapubnot.aspx>



Steven M. Pirner, Secretary
Department of Environment and Natural Resources

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